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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/099,777	03/14/2002	William B. Brown	AUS920010866US1	4836

7590

09/15/2004

Mr. Volel Emile
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EXAMINER

NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
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2171

DATE MAILED: 09/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/099,777

Applicant(s)

BROWN ET AL.

Examiner

CamLinh Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 March 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) ✓
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the structure of an extended attribute file in Fig. 8 as described in the specification (page 15). In addition, Applicant disclosed in the disclosure at page 5 that the application included eight (8) figures. Fig. 8 is a flow diagram of the process. However, in page 15, applicant disclosed Fig. 8 is contained information in an extended attribute file. In page 16, Fig. 9 is a flow chart. The examiner assumed that the disclosure is missing one figure.

Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any

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required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1 – 20 are rejected under 35 U.S.C. 102(a) as being anticipated by Vahalia et al (U.S. 6,275,953).

♦ As per claim 1, 6, 11, 16,

Vahalia discloses a method, a computer program product (Fig. 7, 9, 25) of exporting file systems comprising the steps of:

- “Consulting a file associated with a mount point to retrieve needed information to export the file systems, the mount point being the point at which the file systems are mounted on a computer system” See col. 13, lines 19 – 26. Vahalia teaches that the files are organized in a directory structure and also included mount points (col. 10, lines 55, col. 17, lines 18 - 23).

Vahalia teaches that each file is assigned to a respective data mover (col. 12, lines 1 – 6). Each data mover has a directory and a database of the mount points (col. 13, lines 19 – 22). The structures of the data mover are disclosed in Fig. 10 – 13, which stores a plurality of tables or files. The database is checked for references nodes (or mount points) (See col. 13, lines 23 – 26). In other words, the file authorization and ownership is checked for primary

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data mover or remote system that owned the files. Therefore, this file corresponds to the file associated with a mount point.

“The mount point being the point at which the file systems are mounted on a computer system” See col. 13, lines 1 – 3.

- “Exporting the file systems” See col. 13, lines 55 – 58.

◆ As per claim 2, 7, 12, 17, Vahalia discloses:

- “ The method of claim 1 wherein the needed information is names of devices within which the file systems are located” Some of the information stored in the data mover are the Network IP address, remote file system, which can recognize the client device (See Fig. 11, Fig. 33, and corresponding text)

◆ As per claim 3, 8, 13, 18, Vahalia discloses:

- “ The method of claim 2 wherein the file systems are exported without first being mounted” Vahalia teaches that to reduce the loading of the cached disk storage, the data mover have a local file directory, which can reference to other storage. Therefore, the files are exported without first being mounted.

◆ As per claim 4, 9, 14, 19, Vahalia discloses:

- “ The method of claim 3 wherein the file is an extended attribute file” As specified in the disclosure, page 15, the extended attribute file is a link that link to other directory and contains information to export the pathname of the other file system. The node that references to other node also is a link that can reference to other location (col. 17, lines 15 – 23).

◆ As per claim 5, 10, 15, 20, Vahalia discloses:

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- “ The method of claim 4 wherein each mount point has an extended attribute file” col. 17, lines 15 – 23.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Grubbs et al (U.S. 6,714,953) discloses a system and method for managing file export information.
- Frey, Jr. (U.S. 6,449,731) discloses a self-healing computer system storage.
- Philip Steven Winterbottom (U.S. 5,724,512) discloses a method for storage and retrieval of name space information in a distributed computing system.
- Mitchell et al (U.S. 5,497,491) discloses a system and method for importing and exporting data between an object oriented computing environment and an external computing environment.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CamLinh Nguyen whose telephone number is 703 - 305-1951.

The examiner can normally be reached on Monday-Friday.

From October 25, 2004, the Examiner can be reached at a new phone number: 571 – 272 – 4024.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen, Cam-Linh

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